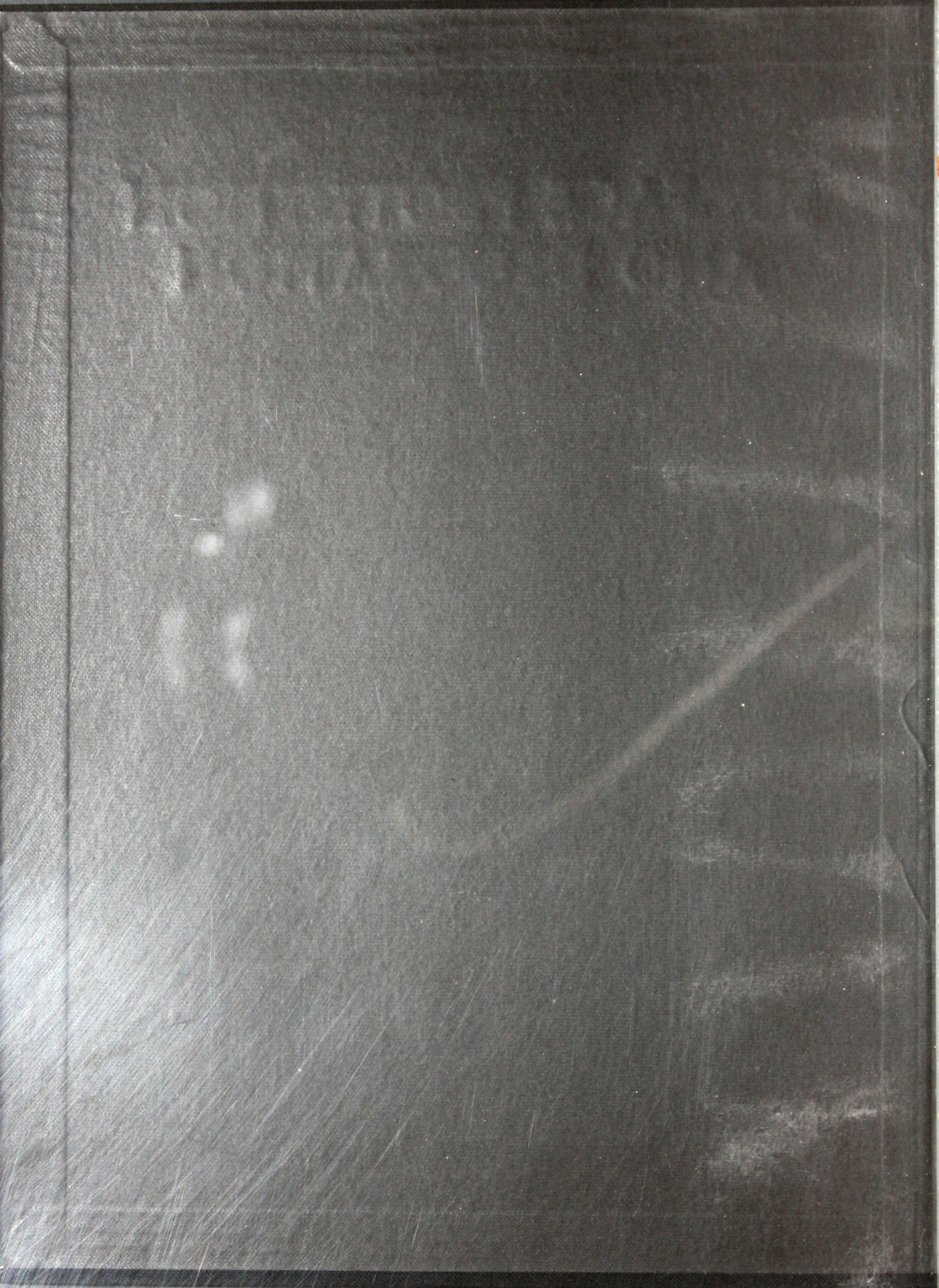


SURFACE PROTECTION AND DECORATION





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SURFACE PROTECTION
AND DECORATION

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Introduction

'SURFACE Protection and Decoration' has been prepared for architects, surveyors and maintenance officials as a guide to the preparation of painting specifications under normal and abnormal conditions. It is arranged with the data classified under surface headings because we believe that the ordinary catalogue, however comprehensive, is only really effective for reference purposes if the reader is previously familiar with the materials mentioned and with their different uses. By referring in this book to the particular surface under consideration, a series of suggested specifications and a schedule of possible finishes will be found with certain other relevant information.

Paint is not a temporary surface treatment but a lasting decorative and protective medium, and should not be judged by its initial cost but by its cost per yard per annum of effective protection. By specifying a good quality paint maintenance costs can be considerably reduced. It is important, however, that all surfaces should be carefully prepared and the material correctly applied by competent craftsmen, for even the best paint cannot give the best results with poor workmanship.

Our products are all prepared from scientifically tested materials and formulated with the object of obtaining the greatest durability. Our research has been continuous and our chemists are conversant with all modern developments in paint technology. Their services and those of our technical staff are always available.

During the past seventy years we have acquired a high reputation for quality among architects, surveyors and property owners, with whom we are always ready to co-operate in the preparation of painting specifications and specimen colour schemes * and in any matters requiring technical or practical assistance.

Whenever our materials are specified we arrange for an inspection to be made at once by a qualified representative and for a visit to be paid to the contractor in case there is any help he may desire. Further inspections are made during the progress of the work and on completion. These visits are arranged not with any wish to interfere but with a keen desire to co-operate and to ensure the best results.

It is our hope that the fullest use should be made of this service, since painting problems can so easily be most troublesome. We invite enquiries in connection with any matter within the scope of our business and extend a standing invitation to visit our Works at Park Royal.

Cleopatra Works

PARK ROYAL, LONDON, N.W.10

APRIL 1937

* See p. 69 for details concerning colour books and panels.

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Section One

INTERIOR WALL AND CEILING SURFACES

The Importance of the Priming Coat

ONE of the most difficult painting problems to-day is the successful treatment of new plaster, cement and concrete. The short time between the completion and occupation of new buildings does not allow these surfaces to dry out by natural means and, in order to avoid any risk of subsequent failure due to chemical reaction, it is essential to use a completely reliable priming coat.

Kewato Wall Primer has been, and is, specified so much for this class of work because it was originally designed to meet these conditions and to eliminate this risk. It contains oil which resists saponification to the utmost degree and is unaffected by chemically active surfaces. It is, however, essential to make quite certain that the whole surface is properly covered as, under bad conditions, any misses will cause subsequent trouble which can be avoided by careful brushing.

Opinions vary so much as to the type of primer to use, the number of coats, the period to allow between the trowel and the first coat and the method of overcoming exceptional porosity and bad conditions, that no definite rules can be laid down to cover every contingency. The following pages contain a table of primers and several recommended specifications covering most normal methods of wall and ceiling decoration. Wherever abnormal conditions occur, we offer the full co-operation of our Architectural Service section, which will, if required, make a careful investigation and assist in every possible way.

Interior Wall and Ceiling Surfaces

Table of Primers

Surface	Primer on new surfaces previous to painting	Primer following the trowel previous to painting	Primer for touching up bare places previous to repainting	Primer on new surfaces previous to distempering, if necessary
Keens	.	Either Indestructible, Elastica, Ipsyn, Indesco or Cleopatra <i>Sharp</i> Primer	Either Indestructible, Ipsyn, Indesco, Elastica or Cleopatra Primer, according to which of the corresponding Undercoatings and Finishings are to follow	.
	.			.
	.			.
Portland	-	.		.
Pioneer	-	.		.
Sirapite	-	.		.
Statite	-	.		.
Lime Plasters	-	.		.
Concrete	-	.		.
Brick	-	.		.
Plaster Boarding	.	.		.
Asbestos Sheeting	Primate Primer	.		.

Interior Wall and Ceiling Surfaces

WALLS AND CEILINGS TO BE PAINTED : Suggested Specifications

Surfaces not previously painted : When the surface is thoroughly dry apply one coat of appropriate primer, followed by two coats of appropriate undercoating and one coat of appropriate finishing. Each coat to be hard dry before the next is applied and painting only to be carried out when the surface is free from moisture or condensation.

N.B.—If the final rendering of the plaster is with Keens Cement one coat of appropriate sharp primer should be applied immediately following the trowel and allowed to dry hard before proceeding as above.

Surfaces previously painted :

(a) In good condition.—Thoroughly wash down and touch up where necessary with appropriate primer. Then apply one coat each of appropriate undercoating and finishing, each coat to be hard dry before the next is applied and painting only to be carried out when the surface is free from moisture or condensation.

(b) In bad condition.—Thoroughly wash down, face up all uneven surfaces with appropriate wall filler, rub down with glass paper and touch up where necessary with appropriate primer. Then apply over the whole surface two coats of appropriate undercoating and one coat of appropriate finishing, each coat to be hard dry before the next is applied and painting only to be carried out when the surface is free from moisture or condensation.

(c) Surfaces previously distempered.—Remove all loose and defective distemper, thoroughly wash down and leave the surface quite clean and dry ; face up where necessary with appropriate wall filler and rub down with glass paper. Then apply one coat of Kewato Wall Primer, two coats of appropriate undercoating and one coat of appropriate finishing, each coat to be hard dry before the next is applied and painting only to be carried out when the surface is free from moisture or condensation.

N.B.—Surfaces previously treated with Wallene Water Paint, or a similar oil-bound washable water paint, which is in good condition, need only be thoroughly washed down and treated as above, omitting one of the undercoats.

(d) Surfaces previously distempered or papered in bad condition.—Remove all loose and defective distemper or paper, wash down thoroughly and leave the surface quite clean and dry; face up all uneven surfaces with appropriate wall filler and rub down with glass paper. Then size and line with stout white lining paper, followed by two (or three) coats of appropriate undercoating and one coat of appropriate finishing, each coat to be hard dry before the next is applied and painting only to be carried out when the surface is free from moisture or condensation.

N.B.—The covering capacity of a paint depends on workmanship, the surface being painted, and on certain variable local and incidental conditions. On this account the figures which appear from time to time in this book are only approximate—they may in practice vary either way according to the work in hand.

SURFACE PROTECTION AND DECORATION

Interior Wall and Ceiling Surfaces

WALLS AND CEILINGS TO BE PAINTED : Schedule of Finishes

FULL GLOSS

No. of coats	ENAMEL PAINT	Covering capacity per gall. Sq. Yds.	ENAMEL	Covering capacity per gall. Sq. Yds.
1 or 2	Kewato Wall Primer or	60	Kewato Wall Primer or	60
1	Indestructible Sharp Primer	70	Elastica Sharp Primer	70
	Indestructible Wall Filler		Elastica Wall Filler	
1 or 2	Indestructible Undercoating	80	Elastica Undercoating	80
1	Indestructible Paint	80	Elastica Enamel	80
	SYNTHETIC ENAMEL		HARD GLOSS	
1 or 2	Kewato Wall Primer or	60	Kewato Wall Primer or	60
1	Ipsyn Sharp Primer	70	Cleopatra Sharp Primer	70
	Ipsyn Wall Filler		Cleopatra Wall Filler	
1 or 2	Ipsyn Undercoating	75	Cleopatra Undercoating	80
1	Ipsyn Synthetic Enamel	70	Cleopatra Hard Gloss Paint	85
	<i>FLAT, SEMI-GLOSS AND EGGSHELL</i>			
	FLAT OIL		ENAMEL PAINT	
1 or 2	Kewato Wall Primer or	60	Kewato Wall Primer or	60
1	Indesco Sharp Primer	70	Indestructible Sharp Primer	70
	Indesco Wall Filler		Indestructible Wall Filler	
1 or 2	Indesco Undercoating	80	Indestructible Undercoating	80
1	Indesco Flat Oil Paint	90	Indestructible Paint (Flat, Semi-gloss or Eggshell)	90

N.B.—In preparing previously painted surfaces for repainting, wherever the old paintwork is removed to the original ground these parts must be touched up first with the correct primer, viz. Indestructible, Ipsyn, Indesco, Elastica or Cleopatra Primer.

Interior Wall and Ceiling Surfaces

WALLS AND CEILINGS TO BE DISTEMPERED : Suggested Specifications

Surfaces not previously painted : When the surface is thoroughly dry apply one coat of Wallene Liquid ; face up any holes, cracks, etc., with Wallene Wall Filler, rub down with glass paper and follow with two coats of Wallene Washable Water Paint.

Surfaces previously distempered : All loose and defective distemper should be removed by washing or other effective treatment, and the whole surface given, when dry, one coat of Wallene Liquid. Face up any holes, cracks, etc., with Wallene Wall Filler, rub down with glass paper and follow with two coats of Wallene Washable Water Paint.

N.B.—If Wallene or a similar oil-bound washable water paint has been used and is in good condition, it is only necessary to wash down thoroughly, face up and touch up where necessary, and apply one coat (or two coats) of Wallene.

Surfaces previously painted : Thoroughly wash and rub down, removing all loose and defective paint. Face up any holes, cracks, etc., with Wallene Wall Filler and rub down with glass paper, touching up where necessary with Wallene. Then apply two coats of Wallene Washable Water Paint.

Surfaces previously papered : Strip walls and wash thoroughly ; face up any holes, cracks, etc., with Wallene Wall Filler and rub down with glass paper, and apply one coat of Wallene Liquid over the whole surface. Then follow with two coats of Wallene Washable Water Paint.

Covering capacity of Wallene :

Lime plasters : Approximately 800 square yards per cwt.

Hard plasters : Approximately 1000 square yards per cwt.

Brickwork and rough porous surfaces : Approximately 500 to 600 square yards per cwt.

Interior Wall and Ceiling Surfaces

WALLS AND CEILINGS IN IMITATION STONE FINISH : Suggested Specifications

Surfaces not previously painted : When the surface is thoroughly dry apply one coat of Indestone Primer, followed, when hard dry, by one or two coats of Indestone Imitation Stone Paint stippled or left plain as desired.

Surfaces previously painted in good condition : Thoroughly wash down and remove any loose matter and defective paint and touch up with Indestone Primer, followed, when hard dry, by one or two coats of Indestone Imitation Stone Paint stippled or left plain as desired.

N.B.—If Indestone is required for use under any other conditions, we shall be pleased to co-operate in the preparation of the most satisfactory specifications in order to obtain the best results, and to submit panels showing various possible decorative effects.

Interior Wood Surfaces

NEW AND OLD WOODWORK : Suggested Specifications

Surfaces not previously painted : Knot, prime with appropriate primer, stop and face up all uneven surfaces with appropriate wood filler and rub down smooth. Apply two coats of appropriate undercoating, rubbing down with glass paper between each coat, and follow with one coat of appropriate finishing. Each coat to be hard dry before the next is applied and painting only to be carried out when the surface is free from moisture or condensation.

Surfaces previously painted :

(a) Thoroughly wash, rub down, burn off where necessary and stop; face up all uneven surfaces with appropriate wood filler and rub down, touching up all bare places with appropriate primer. Then apply one or two coats of appropriate undercoating, rubbing down with glass paper between each coat, and follow with one coat of appropriate finishing. Each coat to be hard dry before the next is applied and painting only to be carried out when the surface is free from moisture or condensation.

(b) In bad cases burn off all old paintwork to the bare wood and proceed as in (a).

N.B.—1. All knotting to be Best Genuine Shellac Knotting.

2. It is recommended that the areas to be burnt off should be clearly defined.

Interior Wood Surfaces

NEW AND OLD WOODWORK : Schedule of Finishes

FULL GLOSS

No. of coats	ENAMEL PAINT	Covering capacity per gall. Sq. Yds.	ENAMEL	Covering capacity per gall. Sq. Yds.
1	Indestructible Wood Primer *	75	Elastica Wood Primer *	75
1 or 2	Indestructible Wood Filler		Elastica Wood Filler	
1	Indestructible Undercoating	80	Elastica Undercoating	80
1	Indestructible Paint	80	Elastica Enamel	90
	SYNTHETIC ENAMEL		HARD GLOSS	
1	Ipsyn Wood Primer *	75	Cleopatra Wood Primer *	75
1 or 2	Ipsyn Wood Filler		Cleopatra Wood Filler	
1	Ipsyn Undercoating	75	Cleopatra Undercoating	80
1	Ipsyn Synthetic Enamel	70	Cleopatra Hard Gloss Paint	85
	<i>FLAT, SEMI-GLOSS AND EGGSHELL</i>			
	FLAT OIL		ENAMEL PAINT	
1	Indesco Wood Primer *	75	Indestructible Wood Primer *	75
1 or 2	Indesco Wood Filler		Indestructible Wood Filler	
1	Indesco Undercoating	80	Indestructible Undercoating	80
1	Indesco Flat Oil Paint	90	Indestructible Paint (Flat, Semi-gloss or Eggshell)	90

* On new British Columbian Pine, Douglas Fir and other highly resinous timber surfaces we recommend the use of our Elastica Aluminium Primer for B.C. Pine, which has a covering capacity of approximately 80 sq. yds. per gallon.

Interior Wood Surfaces

FIBRE-BOARDING : Specification and Schedule of Finishes

This material has very high porosity and sometimes two priming coats are necessary to seal the surface thoroughly. We recommend the use of Kewato Wall Primer for this purpose, and, when large areas are to be painted, we suggest a preliminary test is made to ascertain whether one coat is sufficient. After sealing, the surface can be decorated as follows :

FULL GLOSS

No. of coats	ENAMEL PAINT	Covering capacity per gall. Sq. Yds.	ENAMEL	Covering capacity per gall. Sq. Yds.
1 or 2	Indestructible Undercoating	80	Elastica Undercoating	80
1	Indestructible Paint	80	Elastica Enamel	90
	SYNTHETIC ENAMEL		HARD GLOSS	
1 or 2	Ipsyn Undercoating	75	Cleopatra Undercoating	80
1	Ipsyn Synthetic Enamel	70	Cleopatra Hard Gloss Paint	85
	<i>FLAT, SEMI-GLOSS AND EGGSHELL</i>			
	FLAT OIL		ENAMEL PAINT	
1 or 2	Indesco Undercoating	80	Indestructible Undercoating	80
1	Indesco Flat Oil Paint	90	Indestructible Paint (Flat, Semi-gloss or Eggshell)	90

Interior Wood Surfaces

GREENHOUSE AND HOT-HOUSE WOODWORK

These surfaces should be quite dry and prepared and treated according to the specifications on page 14, but a special modification of Indestructible Paint should be used in order to prevent the formation of fungoid growths and to withstand the prevailing atmospheric conditions. See page 50—The Prevention of fungoid growths.

INDESTRUCTIBLE INTERIOR PRIMER
FOR GREENHOUSES

INDESTRUCTIBLE INTERIOR UNDERCOATING
FOR GREENHOUSES

INDESTRUCTIBLE PAINT INTERIOR FINISHING
FOR GREENHOUSES

Interior Metal Surfaces

IRON AND STEELWORK : Suggested Specifications

Surfaces not previously painted : The whole surface must be thoroughly scraped and cleaned with suitable wire brushes until all grease, rust, scale and loose substances are removed.

Then apply one coat of appropriate anti-corrosive primer, followed by either one coat of appropriate anti-corrosive undercoating and one coat of appropriate finishing, or one or two coats of appropriate Metallic Paint. Each coat must be carefully and properly applied, and the surface well and evenly covered. No coat to be applied until the previous one is hard dry, and painting only to be carried out when the surface is quite free from moisture or condensation.

Surfaces previously painted : The whole surface must be thoroughly cleaned and all rust, loose and defective paint removed by scraping and brushing with suitable wire brushes. Touch up all bare places with appropriate anti-corrosive primer, followed by either one coat of appropriate anti-corrosive undercoating and one coat of appropriate finishing, or one or two coats of appropriate Metallic Paint. Each coat must be carefully and properly applied and the surface well and evenly covered. No coat to be applied until the previous one is hard dry, and painting only to be carried out when the surface is quite free from moisture or condensation.

N.B.—See page 51—Protection against Rust.

SURFACE PROTECTION AND DECORATION

Interior Metal Surfaces

IRON AND STEELWORK : Schedule of Finishes

No. of coats	ENAMEL PAINT	Covering capacity per gall. Sq. Yds.
1	Indestructible Anti-Corrosive Primer	90
1	Indestructible Anti-Corrosive Undercoating	100
1	Indestructible Paint	100
	SYNTHETIC ENAMEL	
1	Ipsyn Anti-Corrosive Primer	85
1	Ipsyn Anti-Corrosive Undercoating	95
1	Ipsyn Synthetic Enamel	85
	HARD GLOSS	
1	Cleopatra Anti-Corrosive Primer	90
1	Cleopatra Anti-Corrosive Undercoating	100
1	Cleopatra Hard Gloss Paint	100
	METALLIC	
1	Indestructible Anti-Corrosive Primer	90
1 or 2	Elastica Aluminium, Bronze or Gold Paint	100

Interior Metal Surfaces

SURFACES SUBJECT TO HEAT : Suggested Specifications

Surfaces not previously painted : The whole surface must be thoroughly scraped and cleaned with suitable wire brushes until all grease, rust, scale and loose substances are removed. Then apply one coat of appropriate heat-resisting anti-corrosive primer, followed by either one anti-corrosive undercoating and one finishing coat of appropriate heat-resisting paint, or one or two coats of appropriate Metallic Paint.

Each coat must be carefully and properly applied and the surface well and evenly covered. No coat to be applied until the previous one is hard dry, and painting only to be carried out when the surface is quite free from moisture or condensation.

Surfaces previously painted : The whole surface must be thoroughly cleaned and all rust, loose and defective paint removed by scraping and brushing with suitable wire brushes. Touch up all bare places with appropriate heat-resisting anti-corrosive primer, followed by either one anti-corrosive undercoating and one finishing coat of appropriate heat-resisting paint, or one or two coats of appropriate Metallic Paint. Each coat to be carefully and properly applied and the surface well and evenly covered. No coat to be applied until the previous one is hard dry, and painting only to be carried out when the surface is quite free from moisture or condensation.

SURFACE PROTECTION AND DECORATION

Interior Metal Surfaces

SURFACES SUBJECT TO HEAT : Schedule of Finishes

Radiators and Hot Pipes	No. of coats	ENAMEL PAINT	Covering capacity per gall. Sq. Yds.
	1	Heat-Resisting Indestructible Anti-Corrosive Primer	90
	1	Heat - Resisting Indestructible Anti - Corrosive Undercoating	100
	1	Heat-Resisting Indestructible Paint. (Full Gloss, Semi-gloss, Eggshell or Flat)	100
Radiators and Hot Pipes		METALLIC PAINT	
	1	Heat-Resisting Indestructible Anti-Corrosive Primer	90
	1 or 2	Elastica Aluminium, Bronze or Gold Paint	100
Super-heated Steam Pipes		SYNTHETIC ENAMEL	
	1	Ipsyn Steam-pipe Primer	85
	1	Ipsyn Steam-pipe Undercoating	95
	1	Ipsyn Steam-pipe Enamel. (Full Gloss, Semi-gloss, Eggshell or Flat)	85
Boilers and Exterior Chimney Stacks		BLACK SEMI-GLOSS FINISH	
	2	Black Rualac	65

Interior Floor Surfaces

THE problem of flying dust from floors is of immense importance in the canned food and textile industries, wherever delicate machinery exists and in all places where cleanliness is vital, and we have solved this in countless cases with Koverflor, which eliminates "dusting", protects the surface from decay or disintegration and, being readily washable, enables floors to be maintained in a constant clean and hygienic state.

Koverflor is a hard-drying product made specially for the protection of floors subject to hard wear, and can be used successfully on wood, linoleum, cement, concrete, brick or stone, providing there is sufficient porosity to allow penetration.

We recommend its use particularly in factories, warehouses, power stations, garages, inside markets, large stores, flats, schools, hospitals, public buildings and private houses ; indeed for any floor area which is uncovered and exposed to continuous traffic.

THE APPLICATION OF KOVERFLOR

The surface to be treated must be dry and brushed free of any loose matter and all traces of grease, dirt, and particularly lubricating oil, thoroughly removed. Two coats should then be applied. The first, thinned with Genuine American Turpentine, must be brushed well in, making certain that maximum penetration occurs, as this coat fills and seals the pores and binds the surface. After allowing 8 to 12 hours for drying, a second coat, also brushed well in, should be applied and allowed to dry hard. A third coat may be given if desired and is advisable on very porous floors. The final coat of Koverflor should be given at least 48 hours to harden before allowing the floor to be used normally. No definite figures can be given as to the covering capacity of Koverflor, as this depends on the porosity of the surface and the method of application adopted, but we usually work on 1 gallon being sufficient to treat with two coats 600 square feet of wood or 500 square feet of cement or concrete.

A practical method of assessing the value of Koverflor is to carry out a small trial under the actual working conditions in question. One of our qualified representatives will always carry out this test if necessary.

Section Two

EXTERIOR WALL SURFACES

Table of Primers

Surface	Primer on new surfaces previous to painting	Primer for touching up bare places previous to repainting	Primer on new surfaces previous to distemper- ing
Cement	Kewato Wall Primer in each case	Either Indestructible, Ipsyn or Cleopatra Primer, accord- ing to which of the corre- sponding Undercoatings and Finishings are to follow	Kewato Wall Primer in each case
Concrete			
Stucco			
Brick			
Asbestos Sheeting	Primite Primer		Primite Primer

Exterior Walls

WALLS TO BE PAINTED : Suggested Specifications

Surfaces not previously painted : Thoroughly clean the whole surface, remove any loose matter by scraping or with suitable wire or fibre brushes, and then apply one coat of appropriate primer. Face up all uneven surfaces with appropriate wall filler and apply two coats of appropriate undercoating and one coat of appropriate finishing. Each coat to be hard dry before the next is applied, and painting only to be carried out in dry weather and when the surface is free from moisture.

Surfaces previously painted : Wash down thoroughly and remove any loose or defective paint, face up all uneven surfaces with appropriate wall filler and touch up where necessary with appropriate primer. Apply one coat of appropriate undercoating over the whole surface, followed by one coat of appropriate finishing, each coat to be hard dry before the next is applied, and painting only to be carried out in dry weather, and when the surface is free from moisture.

SURFACE PROTECTION AND DECORATION

Exterior Walls

WALLS TO BE PAINTED : Schedule of Finishes

No. of coats	ENAMEL PAINT	Covering capacity per gallon Sq. Yds.
1 or 2	Kewato Wall Primer	60
1 or 2	Indestructible Wall Filler	75
1	Indestructible Undercoating	80
	Indestructible Paint	
	SYNTHETIC ENAMEL	
1 or 2	Kewato Wall Primer	60
1 or 2	Ipsyn Wall Filler	75
1	Ipsyn Undercoating	70
	Ipsyn Synthetic Enamel	
	HARD GLOSS	
1 or 2	Kewato Wall Primer	60
1 or 2	Cleopatra Wall Filler	75
1	Cleopatra Undercoating	80
	Cleopatra Hard Gloss Paint	

Exterior Walls

WALLS TO BE DISTEMPERED

Surfaces not previously painted : Thoroughly clean the whole surface, remove any loose matter by scraping or with suitable wire or fibre brushes, and then apply one coat of Kewato Wall Primer. Face up all uneven surfaces with Wallene Wall Filler and follow with two coats of Exterior Wallene Washable Water Paint thinned with Wallene Liquid. All work to be carried out in dry weather and when the surface is free from moisture.

Surfaces previously distempered : All loose and defective distemper should be removed by washing or other effective treatment, and the whole surface given, when dry, one coat of Kewato Wall Primer. Face up all uneven surfaces with Wallene Wall Filler, touch up where necessary with Wallene and follow with two coats of Exterior Wallene Washable Water Paint thinned with Wallene Liquid. All work to be carried out in dry weather and when the surface is free from moisture.

N.B.—If Wallene or a similar oil-bound washable water paint has been used and is in good condition, it is only necessary to remove any loose matter, face up and touch up where necessary and apply one coat (or two coats) of Wallene Washable Water Paint.

Exterior Walls

WALLS IN IMITATION STONE FINISH

Surfaces not previously painted : Thoroughly clean the whole surface, remove any loose matter by scraping or with suitable wire or fibre brushes, and apply one coat of Indestone Primer, followed by one or two coats of Indestone Imitation Stone Paint, stippled or left plain as desired. Each coat to be hard dry before the next is applied, and painting only to be carried out in dry weather and when the surface is free from moisture.

Surfaces previously painted in good condition : Thoroughly wash down and remove any loose and defective paint, touch up where necessary with Indestone Primer, and follow by one or two coats of Indestone Imitation Stone Paint, stippled or left plain as desired. Each coat to be hard dry before the next is applied, and painting only to be carried out in dry weather and when the surface is free from moisture.

N.B.—If Indestone is required for use under any other conditions, we shall be pleased to co-operate in the preparation of the most satisfactory specifications, in order to obtain the best results, and to submit panels showing various possible decorative effects.

Exterior Wood Surfaces

NEW AND OLD WOODWORK : Suggested Specifications

Surfaces not previously painted : Knot, prime with appropriate primer, stop, and face up all uneven surfaces with appropriate wood filler and rub down smooth. Apply two coats of appropriate undercoating, rubbing down with glass paper between each coat, and one coat of appropriate finishing. Each coat to be hard dry before the next is applied and painting only to be carried out in dry weather and when the surface is free from moisture.

Surfaces previously painted :

(a) Remove all defective putty in sashes, casements, etc., prime with appropriate primer and make good. The whole surface should be washed, rubbed down with pumice stone and water or burnt off where necessary, touched up with appropriate primer and stopped. Then apply one or two coats of appropriate undercoating, rubbing down with glass paper between each coat, and one coat of appropriate finishing. Each coat to be hard dry before the next is applied and painting only to be carried out in dry weather and when the surface is free from moisture.

(b) In bad cases burn off all old paintwork to the bare wood and proceed as in (a).

N.B.—1. All knotting to be Best Genuine Shellac Knotting.

2. It is recommended that the areas to be burnt off should be clearly defined.

WOODEN FENCING

In order to prevent decay and rotting, we strongly recommend that these surfaces are treated at intervals with Anti-Rottene Wood Preservative, which is an inexpensive material, and is easy to apply without any preparation. It possesses excellent covering power, and gives the wood a pleasing rich-brown appearance.

GREENHOUSES AND HOT-HOUSES

These surfaces should be quite dry, and prepared and treated as above, but a special modification of Indestructible Paint should be used.

INDESTRUCTIBLE EXTERIOR PRIMER FOR GREENHOUSES

INDESTRUCTIBLE EXTERIOR UNDERCOATING FOR GREENHOUSES

INDESTRUCTIBLE PAINT EXTERIOR FINISHING FOR GREENHOUSES

Exterior Wood Surfaces

NEW AND OLD WOODWORK : Schedule of Finishes

FULL GLOSS

No. of coats	ENAMEL PAINT	Covering capacity per gallon Sq. Yds.
1	Indestructible Wood Primer *	75
1 or 2	Indestructible Wood Filler	
1	Indestructible Undercoating	80
1	Indestructible Paint	85
	SYNTHETIC ENAMEL	
1	Ipsyn Wood Primer *	75
1 or 2	Ipsyn Wood Filler	
1	Ipsyn Undercoating	75
1	Ipsyn Synthetic Enamel	70
	HARD GLOSS	
1	Cleopatra Wood Primer *	75
1 or 2	Cleopatra Wood Filler	
1	Cleopatra Undercoating	80
1	Cleopatra Hard Gloss Paint	85

* On new British Columbian Pine, Douglas Fir and other highly resinous timber surfaces we recommend the use of our *Elastica Aluminium Primer for B.C. Pine*, which has a covering capacity of approximately 80 sq. yds. per gallon.

Exterior Metal Surfaces

IRON AND STEELWORK : Suggested Specifications

Surfaces not previously painted : The whole surface must be thoroughly scraped and cleaned with suitable wire brushes until all grease, rust, scale and loose substances are removed. Then apply one coat of appropriate anti-corrosive primer, followed by either one coat of appropriate anti-corrosive undercoating and one coat of appropriate finishing, or one or two coats of appropriate Metallic Paint. Each coat must be carefully and properly applied and the surface well and evenly covered. No coat to be applied until the previous one is hard dry, and painting only to be carried out in dry weather and when the surface is quite free from moisture.

Surfaces previously painted :

The whole surface must be thoroughly cleaned and all rust, loose and defective paint removed by scraping and brushing with suitable wire brushes. Touch up all bare places with appropriate anti-corrosive primer, followed by either one coat of appropriate anti-corrosive undercoating and one coat of appropriate finishing, or one or two coats of appropriate Metallic Paint. Each coat must be carefully and properly applied and the surface well and evenly covered. No coat to be applied until the previous one is hard dry, and painting only to be carried out in dry weather and when the surface is quite free from moisture.

Painting over Dr. Angus Smith's Solution or Bituminous Paint :

Thoroughly clean the whole surface and remove all loose matter. Then apply one coat of Anti-Tar Sealer followed by either one coat of appropriate anti-corrosive undercoating and one coat of appropriate finishing, or one or two coats of appropriate Metallic Paint. Each coat must be carefully and properly applied and the surface well and evenly covered. No coat to be applied until the previous one is hard dry, and painting only to be carried out in dry weather and when the surface is quite free from moisture.

N.B.—Indestructible Anti-Tar Sealer will check the tendency of Bituminous Paint to bleed through succeeding coats of paint. Although it is effective in most cases no guarantee can be given for all classes of Bituminous Paint.

Exterior Metal Surfaces

IRON AND STEELWORK : Schedule of Finishes

No. of coats	ENAMEL PAINT	Covering capacity per gallon Sq. Yds.
1	Indestructible Anti-Corrosive Primer	90
1	Indestructible Anti-Corrosive Undercoating	100
1	Indestructible Paint	100
	SYNTHETIC ENAMEL	
1	Ipsyn Anti-Corrosive Primer	85
1	Ipsyn Anti-Corrosive Undercoating	95
1	Ipsyn Synthetic Enamel	85
	HARD GLOSS	
1	Cleopatra Anti-Corrosive Primer	90
1	Cleopatra Anti-Corrosive Undercoating	100
1	Cleopatra Hard Gloss Paint	100
	METALLIC	
1	Indestructible Anti-Corrosive Primer	90
1 or 2	Elastica Aluminium Paint	100

N.B.—The above schedule applies for painting over Dr. Angus Smith's Solution or Bituminous Paint with Indestructible Anti-Tar Sealer substituted for the priming coat in each case.

Exterior Metal Surfaces

GALVANISED IRON : Suggested Specifications

New galvanised iron presents an impervious, glossy and greasy surface and, before painting it, a good key must be obtained either by chemical means or by the natural process of weathering. Both of these methods are described in detail below.

Immediate painting on new galvanised iron : When painting has to be carried out at once the most satisfactory method to adopt is to treat the whole surface with I.P. Mordant Solution, which causes a thin film of metallic copper to form over the zinc coating, at the same time slightly roughening the surface, thus affording a key for the subsequent priming coat. All traces of Mordant Solution should then be removed with a weak solution of ammonia and water, and the surface thoroughly washed with clean water and allowed to dry. Then apply one coat of appropriate anti-corrosive primer, followed by either one coat of appropriate anti-corrosive undercoating and one coat of appropriate finishing, or one or two coats of appropriate Metallic Paint. Each coat must be carefully and properly applied and the surface well and evenly covered. No coat to be applied until the previous one is hard dry, and painting only to be carried out in dry weather and when the surface is quite free from moisture.

New galvanised iron allowed to weather : If there is no immediate need to paint, the most useful procedure is to wait at least six months in order to allow the zinc coating to weather and provide a better key. Care must be taken to remove any corrosion due to the inevitable pin-holing of the zinc coating and, before painting, the whole surface must be thoroughly scraped and cleaned with suitable wire brushes until all grease, rust and loose substances are removed. Then apply one coat of appropriate anti-corrosive primer, followed by either one coat of appropriate anti-corrosive undercoating and one coat of appropriate finishing, or one or two coats of appropriate Metallic Paint. Each coat must be carefully and properly applied and the surface well and evenly covered. No coat to be applied until the previous one is hard dry, and painting only to be carried out in dry weather and when the surface is quite free from moisture.

Galvanised iron previously painted : The whole surface must be thoroughly cleaned down and all rust, loose and defective paint removed by scraping and brushing with

suitable wire brushes. Touch up all bare places with appropriate anti-corrosive primer, and paint the whole surface with either one coat of appropriate anti-corrosive undercoating and one coat of appropriate finishing, or one or two coats of appropriate Metallic Paint. Each coat must be carefully and properly applied and the surface well and evenly covered. No coat to be applied until the previous one is hard dry, and painting only to be carried out in dry weather and when the surface is quite free from moisture.

CONSTRUCTIONAL STEELWORK : Suggested Specifications

Exposed : Where constructional steelwork is left exposed and subsequently painted, the treatment is as follows :

The whole surface must be thoroughly scraped, chipped if necessary, and cleaned with suitable wire brushes until all grease, rust, scale and loose substances are removed. Then apply one coat of appropriate anti-corrosive primer, followed by either one coat of appropriate anti-corrosive undercoating and one coat of appropriate finishing, or one or two coats of appropriate Metallic Paint. Each coat must be carefully and properly applied, and the surface well and evenly covered. No coat to be applied until the previous one is hard dry, and painting only to be carried out in dry weather and when the surface is quite free from moisture.

Covered : For the protection of constructional steelwork which is subsequently to be embedded in concrete we recommend that one coat of Elastica Dark Brown Bituminous Paint is applied at the steelworks, followed after erection by one coat of Elastica Black Bituminous Paint.

Section Three

MAINTENANCE SCHEDULES

THIS Company specialises in comprehensive schemes of particular interest to all officials responsible for maintenance. After we have made a thorough examination of existing conditions, a series of specifications is prepared, together with a detailed schedule of the most durable and reliable materials for each purpose, in order to ensure maximum life and the reduction of maintenance costs to the minimum.

Among those with whom we are actively co-operating at the moment are the owners and managers of such diverse kinds of property as :

Breweries and Licensed Premises	Hotels
Canning Factories	Housing Associations
Commercial Vehicles of all types	Laundries
Dairies	Petroleum Stores and Equipment
Departmental Stores and Multiple Shops	Schools
Factories	Ships and Docks
Hospitals	etc., etc.

Our wide experience has enabled us to solve many problems and, although space only permits the few notes that follow, we invite enquiries on any subject in connection with the use of paint to maintain property of any description in good condition.

Detailed Specifications can be provided on request.

Maintenance of Factories

Schedule of Finishes

INTERIOR

<i>Walls and Ceilings</i>	Wallene Washable Water Paint or I.P. Ceilingwhite
<i>Woodwork</i>	Indestructible Paint or Cleopatra Hard Gloss Paint
<i>Metal Surfaces</i>	Indestructible Paint or Ipsyn Synthetic Enamel or Cleopatra Hard Gloss Paint or Elastica Metallic Paint or Elastica Bituminous Paint
<i>Machinery</i>	Ipsyn Synthetic Enamel or Indestructible Paint
<i>Floors</i>	Koverflor
<i>Offices</i>	Wallene Washable Water Paint (walls and ceilings) or Indesco Flat Oil Paint (walls and ceilings) Indestructible Paint (woodwork and metal surfaces)

EXTERIOR

<i>Walls</i>	Exterior Wallene Washable Water Paint or Indestone Imitation Stone Paint
<i>Woodwork</i>	Indestructible Paint or Cleopatra Hard Gloss Paint
<i>Metal Surfaces</i>	Indestructible Paint or Ipsyn Synthetic Enamel or Cleopatra Hard Gloss Paint or Elastica Metallic Paint or Elastica Bituminous Paint
<i>Metal Chimneys</i>	Rualac.

N.B.—Any paintwork subject to acid fumes and other abnormal atmospheric conditions must possess special properties to prevent discoloration and premature failure.

Maintenance of Brewery Properties

BREWERY PREMISES AND MALTINGS

Schedule of Finishes

INTERIOR

<i>Brewing Floors</i>	Indestructible Paint or Ipsyn Synthetic Enamel
<i>Cold Storage Rooms and Refrigerator Plant</i>	Ipsyn Synthetic Enamel
<i>Malt Chutes</i>	Ipsyn Synthetic Enamel
<i>Tank Storage Rooms and Vats</i>	Indestructible Paint or Ipsyn Synthetic Enamel
<i>Bottling Plant and Coolers</i>	Ipsyn Synthetic Enamel
<i>Ironwork</i>	Indestructible Paint or Elastica Aluminium Paint or Red Oxide Paint
<i>Offices</i>	Wallene Washable Water Paint (walls and ceilings) or Indesco Flat Oil Paint (walls and ceilings) Indestructible Paint (woodwork and metal surfaces)

EXTERIOR

<i>Woodwork</i>	Indestructible Paint
<i>Metal Surfaces</i>	Indestructible Paint
<i>Walls</i>	Indestone Imitation Stone Paint or Exterior Wallene Washable Water Paint

Maintenance of Brewery Properties

LICENSED HOUSES AND OFF-LICENCES

INTERIOR

<i>Walls and Ceilings</i>	Indestructible Paint or Wallene Washable Water Paint or Indestone Imitation Stone Paint
<i>Woodwork</i>	Indestructible Paint or Elastica Fine Interior Copal Varnish.
<i>Grained work</i>	(a) Indestructible Ground Colour for graining (b) Indestructible Graining Colour (c) Elastica Fine Interior Copal Varnish
<i>Metal Surfaces</i>	Indestructible Paint
<i>Bar Counter Tops</i>	(a) Standlac Sealer (b) Standlac Clear Cellulose Lacquer (c) Standlac Polish
<i>Cellars</i>	Wallene Washable Water Paint

EXTERIOR

<i>Walls</i>	Indestructible Paint or Exterior Wallene Washable Water Paint or Indestone Imitation Stone Paint
<i>Woodwork</i>	Indestructible Paint
<i>Grained work</i>	(a) Indestructible Ground Colour for graining (b) Indestructible Graining Colour (c) Elastica Exterior Fine Pale Copal Varnish
<i>Metal Surfaces</i>	Indestructible Paint or Elastica Bituminous Paint
<i>Lavatories, etc.</i>	Wallene Washable Water Paint or Elastica Bituminous Paint
<i>Signboards</i>	(a) Elastica Colours in Oil to pattern (b) Elastica Hard Drying Undercoating Varnish (c) Elastica Body Varnish

Maintenance of Dairy Properties

Schedule of Finishes

INTERIOR

ENGINE ROOMS

<i>Motors</i>	Indestructible Paint
<i>Plant subject to mineral oil</i>	Ipsyn Synthetic Enamel
<i>Plant not subject to mineral oil</i>	Indestructible Paint
<i>Pipes</i>	Indestructible Paint or Elastica Aluminium Paint
<i>Lagging</i>	Wallene Washable Water Paint or Indestructible Paint
<i>Cement Floors</i>	Koverflor
<i>Walls and Ceilings</i>	Wallene Washable Water Paint
<i>Dadoes</i>	Indestructible Paint
<i>Woodwork</i>	Indestructible Paint

DAIRIES

<i>Coolers</i>	Ipsyn Synthetic Enamel
<i>Tanks</i>	Indestructible Paint
<i>Walls and Ceilings</i>	Indestructible Paint
<i>Woodwork</i>	Indestructible Paint

MILK STORAGE DEPARTMENTS

<i>Tanks</i>	Indestructible Paint
<i>Walls</i>	Indestructible Paint
<i>Ceilings</i>	Ipsyn Synthetic Enamel
<i>Woodwork</i>	Indestructible Paint

LOADING DECKS

<i>Walls</i>	Indestructible Paint
<i>Ceilings</i>	Indestructible Paint
<i>Ceiling over churn washers</i>	Ipsyn Synthetic Enamel
<i>Woodwork</i>	Indestructible Paint
<i>Steel Curbs</i>	Elastica Bituminous Paint

Maintenance of Dairy Properties

INTERIOR

MILK POWDER FACTORIES AND CONDENSERIES

<i>Coolers</i>	Ipsyn Synthetic Enamel
<i>Tanks</i>	Indestructible Paint
<i>Walls and Ceilings</i>	Indestructible Paint
<i>Woodwork</i>	Indestructible Paint
<i>Plant</i>	Indestructible Paint
<i>Wooden Vat Exteriors</i>	Elastica Best Shellac Varnish
<i>Barrel Ends</i>	I.P. White Barrel Paint

CHEESE FACTORIES

<i>Walls</i>	Indestructible Paint
<i>Ceilings</i>	Ipsyn Synthetic Enamel
<i>Presses</i>	Indestructible Paint
<i>Troughs</i>	Indestructible Paint
<i>General Store Room</i>	
<i>Walls and Ceilings</i>	Wallene Washable Water Paint
<i>Stilton Store Room</i>	
<i>Walls and Ceilings</i>	Ipsyn Synthetic Enamel
<i>Woodwork</i>	Indestructible Paint and Ipsyn Synthetic Enamel in Stilton Store Rooms

WHEY PRODUCTS FACTORIES

<i>Troughs</i>	Elastica Acid-Resisting Enamel
<i>Walls</i>	Ipsyn Synthetic Enamel
<i>Plant</i>	Ipsyn Synthetic Enamel
<i>Woodwork</i>	Ipsyn Synthetic Enamel

BUTTER FACTORIES

<i>Walls and Ceilings</i>	Indestructible Paint
<i>Plant</i>	Indestructible Paint
<i>Tanks</i>	Indestructible Paint
<i>Walls and Ceilings near Churns</i>	Ipsyn Synthetic Enamel
<i>Woodwork</i>	Ipsyn Synthetic Enamel

Maintenance of Dairy Properties

INTERIOR

COLD ROOMS

<i>Walls and Ceilings</i>	Ipsyn Synthetic Enamel
<i>Woodwork</i>	Ipsyn Synthetic Enamel

BOILER HOUSES

<i>Walls (Filling)</i>	Wallene Washable Water Paint
<i>Walls (Dadoes)</i>	Indestructible Paint
<i>Boiler Fronts</i>	Elastica Bituminous Paint
<i>Smoke Stacks</i>	Rualac or Elastica Bituminous Paint

MEN'S MESSROOMS

<i>Walls</i>	Wallene Washable Water Paint
<i>Ceilings</i>	Ipsyn Synthetic Enamel
<i>Woodwork</i>	Ipsyn Synthetic Enamel

OFFICES

<i>Walls and Ceilings</i>	Wallene Washable Water Paint or Indesco Flat Oil Paint
<i>Woodwork</i>	Indestructible Paint

EXTERIOR

<i>Woodwork</i>	Indestructible Paint
<i>Metal Surfaces</i>	Indestructible Paint
<i>Walls</i>	Indestone Imitation Stone Paint or Exterior Wallene Washable Water Paint

Maintenance of Departmental Stores and Multiple Shops

Schedule of Finishes

INTERIOR

<i>Sales Floor Ceilings *</i>	Elastica Full Gloss Enamel or Elastica Eggshell Enamel or Indesco Flat Oil Paint or Wallene Washable Water Paint
<i>Sales Floor Walls</i>	Elastica Eggshell Enamel or Indesco Flat Oil Paint or Wallene Washable Water Paint
<i>Staircase Ceilings</i>	As above
<i>Staircase Walls (Fillings)</i>	As above
<i>Staircase Walls (Dadoes)</i>	Indestructible Paint or Ipsyn Synthetic Enamel or Cleopatra Hard Gloss Paint
<i>Administrative Sections</i>	Normal decorative treatment
<i>Staff Room Ceilings</i>	Wallene Washable Water Paint
<i>Staff Room Walls (Fillings)</i>	Wallene Washable Water Paint
<i>Staff Room Walls (Dadoes)</i>	Indestructible Paint or Ipsyn Synthetic Enamel or Cleopatra Hard Gloss Paint
<i>Kitchen Ceilings and Walls</i>	Elastica Full Gloss Enamel or Ipsyn Synthetic Enamel
<i>Stock Room Ceilings and Walls</i>	Wallene Washable Water Paint

** Metal Sales Floor Ceilings need very careful treatment and specifications for these surfaces will be provided on request.*

EXTERIOR

<i>Woodwork</i>	Indestructible Paint
<i>Metal Surfaces</i>	Indestructible Paint

Maintenance of Hospitals

Schedule of Finishes

Administrative Sections Normal decorative treatment

WARDS

Walls and Ceilings Indestructible Paint

Woodwork Indestructible Paint

Lavatories and Bathrooms Ipsyn Synthetic Enamel

CORRIDORS

Ceilings Wallene Washable Water Paint

Walls (Filling) Indestructible Paint or
Wallene Washable Water Paint or
Indesco Flat Oil Paint

Walls (Dadoes) Indestructible Paint

Woodwork Indestructible Paint

OPERATING THEATRES, ANAESTHETIC ROOMS AND STERILISING ROOMS

Ipsyn Synthetic Enamel should be used on all surfaces

OUT-PATIENTS' DEPARTMENTS

Ceilings Wallene Washable Water Paint

Walls (Filling) Indestructible Paint or
Wallene Washable Water Paint or
Indesco Flat Oil Paint

Walls (Dadoes) Indestructible Paint

Woodwork Indestructible Paint

The choice of colour schemes in Hospitals is most important. See page 46.

Maintenance of Schools

INTERIOR

<i>Walls (Filling)</i>	Wallene Washable Water Paint or Indesco Flat Oil Paint
<i>Walls (Dadoes)</i>	Indestructible Paint or Ipsyn Synthetic Enamel
<i>Ceilings</i>	Wallene Washable Water Paint
<i>Woodwork</i>	Indestructible Paint or Ipsyn Synthetic Enamel
<i>Metal Surfaces</i>	Indestructible Paint or Ipsyn Synthetic Enamel
<i>Desks</i>	Elastica Hard Church Oak Varnish
<i>Blackboards</i>	Elastica Blackboard Paint

EXTERIOR

<i>Walls</i>	Indestone Imitation Stone Paint or Wallene Washable Water Paint
<i>Woodwork</i>	Indestructible Paint
<i>Metal Surfaces</i>	Indestructible Paint

The choice of colour schemes in Schools is most important. See page 46.

Maintenance of Commercial Vehicles

One of the most important developments in coach painting to-day is the use of Synthetic Enamel, owing to the exceptional hardness of the film, its durability and appearance, the speed at which it can be applied and work completed owing to quick drying, and also the absence of complicated safety regulations to prevent fire.

The special primers and undercoatings used with Ipsyn Synthetic Enamel for this purpose are:

IPSYN PRIMER

IPSYN STOPPER AND FILLER

IPSYN UNDERCOATING

IPSYN SYNTHETIC ENAMEL

and, over transfers and writing, IPSYN SYNTHETIC BODY VARNISH.

We are in a position to prepare detailed schedules and full specifications for the painting of new vehicles and their maintenance, and will gladly arrange for a demonstration by one of our qualified technical staff.

Recently one of the leading oil companies adopted our specifications, and have since reduced their maintenance costs by 20 per cent.

Marine Maintenance

Having supplied for many years the requirements of some of the big shipping companies, among them the Cunard White Star Co., Ltd., we can submit suitable materials for all classes of marine work. Our various decorative materials can be used for all interior work such as staterooms, dining-rooms, lounges, etc., according to the finish desired. For all exterior work, however, special materials must be employed, the composition of which depends on the climatic conditions likely to be encountered.

A point of interest is that we have supplied for some years past the whole of the White and Royal Blue Enamel for H.M.Y. *Victoria and Albert*, and are at present supplying materials for the maintenance of R.M.S. *Queen Mary*.

Road Marking

Our White and Yellow Road Line Paint is manufactured either for brush or machine application, and is quick-drying, durable, weatherproof and tar-resisting.

We recommend its use not only on highways, but also for car-parks, garages, warehouses and factories.

Under abnormal conditions and on exceptionally busy roads it is essential to use our quicker drying modification of Road Line Paint, but as the speeding up of the drying-time affects the length of life of the material, it should only be used when haste is unavoidable.

WHITE ROAD LINE PAINT
YELLOW ROAD LINE PAINT

Painting of Gasometers

Steelcote Gasometer Paint is manufactured specially for this purpose, and is obtainable in Red, Green, Brown, Grey and certain other colours if required. If an aluminium finish is desired, we recommend Elastica Aluminium Paint.

STEELCOTE
GASOMETER PAINT

ELASTICA
ALUMINIUM PAINT

Government and L.C.C. Contracts

This Company is on the approved list of manufacturers for Admiralty, War Office, Air Ministry, Metropolitan Police, H.M. Office of Works, and L.C.C. Contracts.

We can supply materials made to the various specifications issued by these authorities, and welcome all enquiries.

Choosing a Colour Scheme

MODERN industrial research provides abundant evidence of the way in which cheerful surroundings and carefully planned colour schemes affect economic production. Psychological reaction to colour is a factor of importance not only in factories but also in stores, offices, hospitals and schools.

Carelessly planned colour schemes result in considerable loss of light and increased artificial lighting charges and sometimes, by actually distorting the space content of rooms, tend to create feelings of tiredness, depression and irritability. In choosing a colour scheme an attempt should be made to avoid eyestrain, to pick cheerful colours which are at the same time restful, and to obtain the maximum light reflection. The following figures illustrate the light reflection values of a few simple colours :

White	-	-	-	-	-	-	-	84 %
Cream	-	-	-	-	-	-	-	70 %
Light Pink	-	-	-	-	-	-	-	69 %
Ivory	-	-	-	-	-	-	-	64 %
Yellow	-	-	-	-	-	-	-	60 %
Flesh	-	-	-	-	-	-	-	56 %
Buff	-	-	-	-	-	-	-	55 %
Green (Light to Dark)	-	-	-	-	-	-	-	54 to 20 %
Grey (Light to Dark)	-	-	-	-	-	-	-	53 „ 17 %
Blue (Light to Dark)	-	-	-	-	-	-	-	45 „ 30 %
Aluminium	-	-	-	-	-	-	-	50 „ 40 %
Sage Green	-	-	-	-	-	-	-	41 %
Vermilion	-	-	-	-	-	down to	-	18 %
Brown	-	-	-	-	-	„	-	15 %

Co-operation in the preparation of colour schemes is an important feature of our service and has proved to be on numerous occasions of considerable assistance to architects, property owners and others. It is quite free and involves no cost to our clients.

Section Four

GENERAL NOTES

The Treatment of Damp Walls

DAMPNESS in walls can be caused by structural defects, the action of severe weather or the presence of excess moisture in new surfaces, and, if neglected, will result in the appearance of unsightly damp patches, chemical deposits or efflorescence and, in bad cases, the formation of fungoid growths.

The commonest structural defect is the absence or inefficiency of a dampcourse and, before any procedure is adopted to prevent a recurrence of the trouble, this defect must be remedied. Such cases are primarily building, not painting, problems.

Consistent driving rain on an unpainted and porous surface will ultimately, aided by the capillary attraction of the inner warmth, force the moisture right through the structure. To prevent this, it is necessary to seal the outer wall with a preservative solution and render it waterproof. Such treatment is most effectively carried out after a spell of warm, dry weather, when the building has had time to dry out naturally ; it is useless to try and seal a wall which is already saturated.

New plaster, cement and concrete surfaces contain a certain proportion of moisture. If they are allowed to dry out naturally all traces of damp will finally disappear and they can be sealed inside and outside with confidence. But this is seldom practical and, when early decoration is necessary, the inner wall must be treated with a special primer to render it impervious to water in order that all moisture may escape externally.

Dampness can therefore be satisfactorily prevented if the method adopted is carried out at the proper time and indiscriminate sealing of wet surfaces is avoided.

Some suggested specifications are shown overleaf.

The Treatment of Damp Walls

Suggested Specifications

INTERIOR

Remove all old paper and loose and defective paint or distemper and clean, by scraping, to the bare plaster, making good where necessary. Artificially heat the room to allow existing dampness to dry out and, when the surface is quite dry, apply one coat of Kewato Wall Primer and brush well in. Very bad or porous surfaces may need a second coat. Allow the Kewato to dry for 48 hours and then proceed with any ordinary decorative treatment.

EXTERIOR

(a) *Painted surfaces* : Thoroughly brush down, remove all defective paintwork and face up where necessary. Then, after a spell of dry weather when the surface is quite dry, apply one coat of Kewato Wall Primer to all affected parts and brush well in. Very bad or porous surfaces may need a second coat. Allow the Kewato to dry for 48 hours and then proceed with any ordinary decorative treatment.

(b) *Walls to be left unpainted* : Defective pointing and structural defects must be made good and the surface brushed down (not washed) to remove all loose matter. Then, after a spell of dry weather when the surface is quite dry, apply liberally one coat of Browning's Colourless Preservative Solution, taking care to cover the whole surface and follow in 24 hours with a second coat. A very porous surface may need a third coat.

N.B.—Browning's Solution cannot be painted over afterwards.

The Preservation of Stone Surfaces

STONE surfaces can be preserved, kept clean and rendered waterproof by the periodic application of Browning's Colourless Preservative Solution. This is a colourless preparation which will not cause greasy stains and exudations, will not crack, is unaffected by extremes of heat and cold, and is an effective protection against discoloration and vegetable growths.

Before treatment all defective pointing and structural defects must be made good, and the surface brushed down (not washed) to remove any loose matter. Then, after a spell of dry weather when the surface is quite dry, one coat of Browning's Solution should be applied liberally, followed after 24 hours with a second coat and, in very porous cases, a third coat after the same interval. Care should be taken to cover the whole surface properly.

N.B.—Browning's Solution cannot be painted over afterwards.

The Uses of Bituminous Paint

Bituminous paints are widely specified for the protection of exposed metal surfaces where decorative effect is of secondary importance and where it is essential to use a really durable material capable of withstanding severe weather and industrial atmospheric conditions. Unfortunately, as a class they are liable to fail prematurely and crack due to the cumulative effect of several causes, which are aggravated by sudden temperature changes and the destructive action of chemical fumes. The commonest of these are oxidation after exposure, evaporation of the volatile in the pitch in hot weather, carbonisation and polymerisation.

If care is taken in manufacture and in the choice of raw materials the action of these destructive forces can be checked, the protective value of the paint considerably increased, and a durable and reliable material produced.

Elastica Bituminous Paint was originally made, after exhaustive research and vigorous tests, with one object in view—the production of a durable and lasting bituminous paint.

It is easy to apply, possesses good covering capacity and can be specified with complete confidence.

See pages 33 and 51.

The Prevention of Fungoid Growths

THE fungoid growths and moulds which frequently appear on painted surfaces consist of low vegetable matter either originating in the surface under the paint and working through or forming on the actual paint film and they occur chiefly on damp wood and walls, in damp, ill-ventilated cellars, in greenhouses and hot-houses and in places where fermentation processes take place, such as dairies and breweries.

They seem to thrive on certain paints, particularly those containing white lead, and also on water paints and distempers containing casein or animal size.

We have found the use of toxic paints and synthetic enamels to be the most effective means of protection, and Ipsyn Synthetic Enamel is being used for this purpose in numerous breweries and dairies throughout the country, because it dries with a very tough, impervious finish, which can be frequently washed with weak disinfectant without harming the surface.

A special modification of Indestructible Paint is made for greenhouses and hot-houses to withstand the peculiar atmospheric conditions and to resist the growth of the pink or violet fungus *phoma pigmentivora*. Existing cases of fungoid growths should be carefully investigated to discover the origin of the trouble, and before any effective treatment can be carried out all traces of mould must be completely removed.

We will, if necessary, make this examination ourselves and submit the most suitable specification for painting under these difficult conditions.

Protection Against Rust

THE causes of rust are widespread and beyond the scope of this book, but there is one universal factor—moisture. Its exclusion by protective coats of paint depends on correct preparation, conscientious application, and great care in the choice of the paint itself.

The preparation of metal surfaces consists of the complete removal of all traces of dirt, grease, loose substances and rust by thorough cleaning, scraping, wire brushing or filing in order to obtain a clean, dry and rust-free ground. The presence of moisture is deceptive and sometimes cannot be seen with the eye and, whenever any doubt exists, it is a wise precaution to dip a clean rag in turpentine and wipe over the surface before starting.

The application of each coat is equally important. The priming coat should be brushed carefully and the surface well and evenly covered and allowed to dry hard before proceeding with the second and third coats.

Paint for use on metalwork must possess good adhesive qualities, satisfactory body and sufficient elasticity to withstand contraction and expansion without cracking. If decorative effect is important we recommend the use of Indestructible Paint, Ipsyn Synthetic Enamel or Cleopatra Hard Gloss Paint according to choice, in conjunction with the appropriate anti-corrosive primer and undercoating in each case. If a metallic finish is required, one coat of Indestructible Anti-corrosive Primer, followed by one or two coats of Elastica Aluminium, Bronze or Gold Metallic Paint, will give an excellent result. When protection of exposed metalwork is of more importance than decoration, two coats of Elastica Bituminous Paint are quite adequate. This material is made in black, grey, red and dark green. Smokestacks, boilers and surfaces subject to great heat can be kept in good condition by treating with two coats of Black Rualac, which possesses remarkable rust, acid and alkali resisting qualities.

A recent development in anti-corrosive treatment is the introduction of atomised lead, which consists of metallic lead dispersed in oil and which is used in this form as a primer and sometimes as a temporary finish. When it dries a thin film of lead is formed on the surface and we have found this to possess very remarkable anti-corrosive properties.

Particulars in connection with the treatment of metal surfaces will be found on pages 18 to 21 and 30 to 33, and our wide experience both at home and abroad is at the disposal of all who may wish to avail themselves of it.

Scumbling and Graining

INDESTRUCTIBLE Scumbles and Graining Colours are supplied in semi-paste form with an approximate covering capacity of 200 sq. yds. per gallon. A number of delightful effects can be obtained with each one by means of the various methods of scumbling and graining, such as stippling, wiping, rag-rolling, paper-rolling, mottling, combing, brush graining, etc. We also manufacture all the necessary undercoatings for use in this class of work. We are always pleased to co-operate with architects and others in the preparation of special colour schemes, which will be submitted for approval on suitably prepared panels.

SCUMBLING SPECIFICATIONS

New plaster surfaces.

When the surface is thoroughly dry apply one coat of appropriate primer (see page 8) followed by :

- (a) Two coats of Indestructible Body White Undercoating.
- (b) One coat of Indestructible Scumble Undercoating.
- (c) One coat of Indestructible Scumble treated as desired.
- (d) One coat of Elastica Eggshell or Flat Varnish.*

Previously painted plaster surfaces.

Thoroughly wash down, face up and touch up where necessary and proceed with the same treatment as above, omitting, if necessary, one coat of Indestructible Body White Undercoating.

Woodwork not previously painted.

Knot, prime, stop, face up and rub down smooth and apply :

- (a) Two coats of Indestructible Body White Undercoating.
- (b) One coat of Indestructible Scumble Undercoating.
- (c) One coat of Indestructible Scumble treated as desired.
- (d) One coat of Elastica Eggshell or Flat Varnish.*

* *If a full gloss finish is desired use Elastica Fine Interior Copal Varnish.*

Scumbling and Graining

Woodwork previously painted.

Thoroughly wash down, stop, face up and touch up where necessary, rub down smooth, and proceed with the same treatment as above, omitting, if necessary, one coat of Indestructible Body White Undercoating.

GRAINING SPECIFICATIONS

All work should be suitably prepared and then treated with :

- (a) One (or two) coats of Indestructible Ground Colour for Graining
- (b) One coat of Indestructible Graining Colour treated as desired

and varnished afterwards with a full gloss, flat or eggshell finish as desired by using :

Full Gloss : Elastica Fine Interior Copal Varnish for interior work
Elastica Fine Exterior Pale Copal Varnish for exterior work

Flat : (a) Elastica Fine Interior Copal Varnish
(b) Elastica Flat Varnish

Eggshell : (a) Elastica Fine Interior Copal Varnish
(b) Elastica Eggshell Varnish

N.B.—As the ultimate decorative effect of a scumbled or grained finish depends so much on workmanship, we recommend that this class of work should only be carried out by experienced craftsmen.

Plastic Paint

PLASTICOTE plastic paint is often used inside cinemas, theatres and restaurants in conjunction with special lighting schemes. It is supplied in powder form for mixing with water and is applied in semi-paste form and treated, while still wet, in various ways, such as combing, raking, stippling, rolling, dabbing, etc., according to the finish desired.

When it is hard dry it is rubbed down to remove any prominent portions, sealed and then scumbled and varnished. In this way many extremely effective decorative finishes can be obtained.

SPECIFICATION

- (a) One coat of Plasticote Plastic Paint treated as desired.
- (b) One coat of Kewato Wall Primer.
- (c) One coat of Indestructible Scumble Undercoating.
- (d) One coat of Indestructible Scumble treated as desired.
- (e) One coat of Elastica Eggshell or Flat Varnish.*

** If a full gloss finish is desired use Elastica Fine Interior Copal Varnish.*

Industrial Paints and Varnishes

IN many industries painting or varnishing is an important feature in production. Compared, however, with ordinary decorating the procedure is so different that a special range of materials is used which includes synthetic and other paints, enamels and varnishes, cellulose lacquers and insulating varnishes. These industrial paints and varnishes, as they are called, are manufactured to suit the particular requirements of each user, and may be dipped, brushed or sprayed ; air-drying or stoving ; full gloss, semi-gloss, eggshell or flat.

The actual choice of the most suitable material for any particular industrial purpose depends on the article to be treated and its shape, the method of application, the treatment to be adopted, the drying time, the characteristics expected, the desired finish and the durability required.

We manufacture a wide range of industrial paints and varnishes for use on numerous products and offer our full co-operation to all users. All such enquiries received are dealt with by our technical staff.

The following products will serve as examples of the industries to which we can be of assistance :

Aeroplanes	Motor Cars and Coaches
Agricultural Implements	Office Equipment
Art Metal Work	Perambulators
Automatic Machines	Petrol Pumps
Bath Fixtures	Refrigerators
Bedsteads	Sewing Machines
Boots and Shoes	Shop Fittings
Cables	Steel Furniture
Cycles	Telephones
Electrical Fixtures	Toys
Furniture	Typewriters
Gramophone Cabinets	Vacuum Cleaners
Machinery	Weighing Machines
Metal Drums and Containers	Wireless Cabinets and Apparatus etc., etc.

Section Five

REFERENCE LIST OF PRODUCTS

FULL GLOSS FINISHES

Indestructible Paint
Ipsyn Synthetic Enamel
Elastica Enamel
Cleopatra Hard Gloss Paint
Koverflor

FLAT FINISHES

Wallene Washable Water Paint
Indesco Flat Oil Paint
Flat Indestructible Paint
Flat Elastica Enamel
I.P. Ceilingwhite

IMITATION STONE FINISH

Indestone Imitation Stone Paint

VARNISHES

A complete range

MISCELLANEOUS

Anti-Rottene
Anti-Tar Sealer
Browning's Colourless Preservative Solution
Elastica Aluminium Primer for B.C. Pine
Elastica Bituminous Paint
Elastica Metallic Paint
Fillers
Kewato Wall Primer
Klensa Paint Remover
Mordant Solution
Plasticote Plastic Paint
Primate Primer
Road Line Paint
Rualac
Scumbles and Graining Colours
Wallene Liquid

FULL GLOSS FINISHES

Indestructible Paint

INDESTRUCTIBLE PAINT is an enamel paint composed of pure colours carefully ground in specially heat-treated oils and combined with varnish made from the finest grades of fossil gums and heat-treated oils. Superior to White Lead in appearance, covering power and durability, it is equal in finish to a high quality enamel at much less cost. Indestructible Paint will not chalk and is unaffected by extremes of heat and cold, its exceptional elasticity enabling it to expand and contract without cracking. It is, moreover, impervious to moisture and sea air and retains its gloss, in spite of repeated washing, for many years.

Indestructible Paint is without doubt the ideal material to specify and use in order to make certain of satisfaction, and in order to get the very best appearance and maximum durability. Compare the maintenance costs on surfaces treated with Indestructible Paint and on surfaces where a paint of lesser quality is used, compare their appearance over a period of years—the difference will be marked, and this difference represents saving in money, time and labour.

Indestructible Paint is supplied in Primings, Undercoatings and Finishings in various modifications for all classes of work. It is easy to apply by brush or spray, possesses remarkable opacity and excellent flow, and dries overnight under normal conditions. The full colour range includes 64 shades, but special tints and matchings can be made up and submitted for approval on panels whenever required.

For seventy years Indestructible Paint has been specified and used where a really first-class result is required, and for seventy years it has been giving satisfaction as a protective and decorative material for both outside and inside work, in this country and all over the world, under normal and abnormal conditions. Indestructible Paint is packed in 1 gallon, $\frac{1}{2}$ gallon and 1 quart tins.

FULL GLOSS FINISHES

Ipsyn Synthetic Enamel

Ipsyn is based on the use of a vehicle composed of synthetic resins combined with heat-treated oils, and its chief advantages over a paint incorporating an ordinary natural gum and oil medium are that it sets quicker and dries sooner with a much harder surface. In spite of this, Ipsyn possesses sufficient elasticity to withstand severe weather conditions and sudden temperature changes without cracking, and yet can not only be washed but polished without harming the film.

Ipsyn is easy to apply by brush or spray and is suitable for all interior and exterior work, particularly on surfaces exposed to industrial atmospheric conditions and chemical fumes and wherever quick setting and really hard drying are essential. It is also used for all classes of coach painting. It is manufactured in black, white, and twenty colours in primings, undercoatings and finishings. Special colours and matchings on panels can always be submitted for approval. It is packed in 1 gallon, $\frac{1}{2}$ gallon and 1 quart tins.

Elastica Enamel

Elastica Enamel is recommended with complete confidence whenever a first-class enamel finish is desired. It possesses great durability, producing a perfectly smooth gloss finish which is washable. It can, if necessary, be rubbed to produce a semi-gloss effect.

Elastica Enamel is easy to apply and is supplied in Primings, Undercoatings and Finishings in the same colour range as Indestructible Paint. It is packed in 1 gallon, $\frac{1}{2}$ gallon and 1 quart tins.

FULL GLOSS FINISHES

Cleopatra Hard Gloss Paint

This material has really good durability, opacity, spreading power and excellent appearance, and is designed for use under conditions which do not permit the higher initial cost of Indestructible Paint.

Cleopatra Hard Gloss Paint is particularly suitable for use on housing schemes, industrial dwellings, and for the maintenance of factory buildings.

It is manufactured in Primings, Undercoatings and Finishings, in White, Black and 20 colours, and is packed in 1 gallon and $\frac{1}{2}$ gallon tins.

Koverflor

Koverflor is designed for the protection and decoration of exposed floor surfaces, and full details as to its uses will be found on page 22.

Koverflor is manufactured in Transparent, Black, White and 14 clean colours, all fast to lime and other alkalis and to light. It is packed in 1 gallon, $\frac{1}{2}$ gallon and 1 quart tins.

FLAT FINISHES

Wallene Washable Water Paint

Many years ago when we first put Wallene on the market we felt we had something good which was different from an ordinary water paint or washable distemper, but this was not enough—Wallene had to be not only different but better. Some improvements were made from time to time until now we can claim that Wallene is durable, non-fading, germicidal, washable and suitable for both interior and exterior use.

Wallene is composed of pigments which have excellent opacity and paint-forming properties and are permanent to light and fast to lime, combined with a unique oil-varnish medium, which has a remarkable binding and hardening effect, thus ensuring not only a magnificent finish but also unparalleled durability for a water paint.

The labour costs and method of application of Wallene are the same as for an ordinary distemper, but the result is different in appearance and durability. It is therefore ideal for large wall and ceiling surfaces.

Wallene keeps clean longer, is really washable and does not require to be removed before repainting—important factors in building maintenance. Wallene can be either left plain or stippled and provides an artistic and serviceable interior wall decoration under all conditions, particularly for hotels, schools, offices, institutions, factories, and on newly plastered surfaces as a preliminary to more elaborate future treatment. Large quantities are used annually in industrial buildings, as the Factory Acts permit less frequent repainting when Wallene is used.

Wallene Washable Water Paint is manufactured in White and 40 carefully selected shades, but special colours and matchings on panels can always be submitted for approval. It is packed in paste form in 14 lb. and 28 lb. tins, and 56 lb. and 1 cwt. kegs.

Exterior Wallene

In order to obtain the maximum durability, Exterior quality Wallene must be thinned with Wallene Liquid (see page 68).

FLAT FINISHES

Indesco Flat Oil Paint

Indesco Flat Oil Paint is designed for interior use when a highly decorative and lasting flat effect is required, and is more durable than distemper or water paint. It contains no white lead, size or germ-breeding animal colloids and the pigments used are all fast to light and lime-resisting ; hence it will not crack, flake or discolour and is completely hygienic.

Indesco is used regularly in many of the largest hospitals, stores and residential flats in the country, and also on buildings controlled by H.M. Office of Works, and London County Council hospitals and schools.

It is easily applied by brush or spray and dries very quickly with a flat washable surface, which can be left plain or stippled.

Indesco is manufactured in Primings, Undercoatings and Finishings in Pure White and 40 clean attractive shades, but special colours and matchings on panels can always be submitted for approval. It is packed in 1 gallon and $\frac{1}{2}$ gallon tins.

Flat Indestructible Paint

Indestructible Paint (see page 57) can be supplied in a flat, semi-gloss or eggshell finish in the standard colour range.

Flat Elastica Enamel

Elastica Enamel (see page 58) can be supplied in a flat or rubbed effect finish in the standard colour range. The latter saves the labour involved in rubbing.

I.P. Ceilingwhite

Under certain circumstances the use of a first-class washable water paint may not be justified, and in such cases Ceilingwhite is strongly recommended. It has no disagreeable odour, and is prepared for use by adding water and is very easily applied.

Ceilingwhite is used extensively for industrial dwellings, factory buildings and in cellars and outhouses. It is packed in 14 lb. and 28 lb. tins, 56 lb. kegs, and casks containing approximately $1\frac{1}{2}$ cwts.

IMITATION STONE FINISH

Indestone Imitation Stone Paint

Indestone is a special material for exterior and interior use on brick, stone, cement, concrete, stucco, plaster and wood surfaces, where an imitation stone effect is desired. It is manufactured in five colours.

Imitation stone finishes with Indestone are found to-day in cinemas, theatres, hotels, clubs, industrial buildings, office premises, flats and private houses, and many attractive decorative effects can be obtained, specimen panels of which we will always submit for approval.

Indestone possesses exceptional durability, even under the severest weather conditions, and can be washed with soap and water, a most important feature when considering exterior maintenance in cities and industrial areas.

It has excellent covering power which varies according to the porosity of the surface, the finish required and the method of application. A recent test on brickwork showed 900 square feet per cwt. on a previously painted surface, and 585 square feet on an unpainted surface. Other figures are available as well as suggested specifications for special conditions.

Indestone is applied in the same way as an oil paint, and brushed well in until an even stone-like finish is obtained. One coat is quite satisfactory for general work, though a more even and natural effect is reached with a second coat, stippled when it starts to set. It is packed in 14 lb. and 28 lb. tins, and 56 lb. and 1 cwt. kegs.

VARNISHES :

A complete range

We have had seventy years' practical and technical experience of varnish making, and manufacture to-day a complete range of varnishes for all decorative purposes. These are all well known for their flow, hardness, brilliance and durability and are specified exclusively by many architects.

EXTERIOR VARNISHES

Elastica Fine Pale Copal Varnish

Very pale, elastic and durable : suitable for first-class work and dries in 12 hours.

Elastica Oak Varnish

Elastic and very durable.

Elastica Front Door Varnish

Elastica Finest Durable Body Varnish

Elastica Best Pale Carriage Varnish

INTERIOR VARNISHES

Elastica Fine Interior Copal Varnish

Very pale and durable.

Elastica Interior Oak Varnish

Hard drying and durable.

Elastica Hard Church Oak Varnish

For Church and School Seats, etc.

Elastica Flat Varnish

For scumbled and grained work, and where a rubbed effect is desired on stained or natural wood.

Elastica Eggshell Varnish

For scumbled and grained work.

Elastica White Crystal Varnish

Very pale, brilliant and hard drying and suitable for white and pale wallpapers.

Elastica Frosting Varnish

Standard Crystal Varnish

SURFACE PROTECTION AND DECORATION

GENERAL PURPOSE VARNISHES

Standard General Purpose Varnish

For exterior and interior work. Easy to brush and dries with a brilliant hard finish.

Housing Scheme General Purpose Varnish

Suitable for all classes of work.

MARINE VARNISHES

Elastica Oceana Marine Spar Varnish

An exceptionally durable waterproof spar Varnish for exterior and interior use of any kind. Withstands hot and cold, fresh or salt water and will not turn white.

Oceana Marine Varnish

Standard Boat Varnish

MISCELLANEOUS

Elastica Black Japan

Fine Black Japan

Elastica Dark Gold Size

Elastica Pale Gold Size

Standard Pale Terebine

Standard Terebine

MISCELLANEOUS MATERIALS

Anti-Rottene

This is an inexpensive wood preservative which is easy to apply and possesses excellent durability and covering capacity.

It gives a pleasing rich brown colour to wooden surfaces and is strongly recommended for fencing. It is packed in 1 gallon tins, 5 gallon drums, and in barrels containing approximately 40 gallons.

Anti-Tar Sealer

Down pipes, etc., treated with Dr. Angus Smith's Solution or Bituminous Paint should be given one coat of Anti-Tar Sealer before painting. This material acts as a sealer and prevents the bitumen working through to the detriment of the paint (see pages 30 to 31). It is packed in 1 gallon tins.

Browning's Colourless Preservative Solution

Browning's Solution can be applied by brush or spray and is a colourless preparation for the treatment of exterior damp walls, for preserving new and old stone, brick, cement or concrete, and for resisting surface decay and disintegration. Successive coats on a porous ground sink in thoroughly and form a waterproof film. Full particulars as to its uses will be found on pages 47 to 49. It is packed in 1 gallon tins, and 5 gallon drums.

Elastica Aluminium Primer for B.C. Pine

This is a special primer for use on British Columbian Pine, Douglas Fir and other highly resinous timber surfaces to resist the action of the resin in these woods. It is packed in 1 gallon tins.

Elastica Bituminous Paint

This is a good quality bituminous paint specially designed for the protection of exposed metal surfaces when durability is of more importance than decoration. It

will stand up effectively under the severest weather conditions, will not crack, is fume-resisting and most economical in use (see page 49).

Manufactured in Black, Grey, Red and Dark Green, it is packed in 1 gallon tins, 5 gallon drums and in larger drums containing approximately 40 gallons.

Elastica Metallic Paint

This material in Aluminium, Gold and Bronze, is designed for use on radiators and hot water pipes, street lamp standards, metal framework, railings, tubular scaffolding and metal surfaces generally. It possesses exceptional opacity and can be applied by brush or spray. It is packed in 1 gallon and $\frac{1}{2}$ gallon tins, either ready mixed for immediate use, or with powder and medium in separate containers for keeping in stock.

Fillers

Fillers for facing up all classes of surfaces can be obtained in the normal packings.

Indestructible Scumbles and Graining Colours

Indestructible Scumbles and Graining Colours are supplied in semi-paste form in the normal colour range. When used in conjunction with the appropriate Indestructible Scumble Undercoatings and Indestructible Ground Colours for graining, many beautiful decorative effects can be produced.

Indestructible Body White Undercoating is a special material for the bodying up of surfaces previous to scumbling treatment.

For scumbling and graining specifications, see pages 52 and 53.

Kewato Wall Primer

Kewato Wall Primer is a colourless primer for interior and exterior use on new and old plaster, cement and concrete surfaces (see pages 8 and 23).

It contains no oil of a saponifiable nature, and is thus an ideal priming coat for

new walls and ceilings. It dries dust free in 4 to 6 hours, but should not be painted over for 48 hours : one gallon will normally cover 400 to 500 square feet of surface.

It contains no highly volatile and inflammable spirits and solvents, it is also non-poisonous and can therefore be stored and used with complete safety.

Kewato possesses remarkable damp-resisting qualities and should be used for this purpose instead of Browning's Solution if the surface to be treated is to be painted, distempered or papered over afterwards (see page 48).

Kewato Wall Primer can be followed with an Enamel Paint, Synthetic Enamel, Flat Oil Paint, Washable Water Paint, Imitation Stone Paint, or any other ordinary decorative finish. It is packed in 1 gallon and $\frac{1}{2}$ gallon tins.

Klensa Paint and Varnish Remover

Klensa is perfectly safe to use and is an excellent material for removing paint and varnish. It is also supplied in a heavy-bodied modification which is quicker and more powerful in action. Surfaces on which Klensa has been used must be wiped down with a rag dipped in turpentine substitute before repainting.

Klensa and Heavy-Bodied Klensa are both packed in 1 gallon, $\frac{1}{2}$ gallon and 1 quart tins, also 5 gallon and 10 gallon drums.

Mordant Solution

This material is designed for the preparation of new galvanised iron surfaces previous to painting, and full particulars as to application will be found on page 32. It is packed in 1 gallon stone jars.

Plasticote Plastic Paint

This is supplied in the form of a white powder which is mixed with water to a suitable consistency whenever a plastic effect is desired.

Particulars as to its application will be found on page 54.

Primate Primer

This is a special colourless primer for use on asbestos sheeting. It is applied by brush and dries in under half an hour.

We have found it to possess excellent sealing properties and we are carrying out exhaustive tests with a view to its possible use as a primer on new plaster, cement, and concrete surfaces. It is packed in 1 gallon tins.

Road Line Paint

Our White and Yellow Road Line Paint is manufactured for brush or machine application, and is quick-drying, durable, weatherproof and tar-resisting. It is packed in 1 gallon tins and 5 gallon drums.

Rualac

Rualac is a black semi-gloss protective coating for metal. It has remarkable acid, alkali, rust and heat resisting properties, and is excellent for use on smokestacks, boilers and similar surfaces. It is packed in 1 gallon tins, 5 gallon drums, and barrels containing approximately 40 gallons.

Wallene Liquid

This is a special emulsion for thinning Exterior Wallene paste to brushing consistency. Two gallons are sufficient for each cwt. of paste.

It is also used as a priming coat to reduce porosity in the case of 'hot' or very porous surfaces. It is packed in 1 gallon tins and 5 gallon drums.

COLOUR BOOKS AND PANELS

Pocket colour books or cards of :

Indestructible Paint
Ipsyn Synthetic Enamel
Wallene Washable Water Paint
Indesco Flat Oil Paint
Indestone Imitation Stone Paint
Koverflor
Cleopatra Hard Gloss Paint

will be sent out on request. We also have special colour books for architects, showing Indestructible Paint, Indesco Flat Oil Paint and Wallene Washable Wall Paint. These measure $8\frac{1}{2}$ by $11\frac{1}{4}$ inches deep.

Non-standard colours and matchings and specimen colour schemes will be submitted for approval on panels of various sizes, and examples of any of our materials not mentioned above will be illustrated in the same way.

Should a sample of the paint itself be required, this will also be sent out on request.

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WE hope that this book will be really useful to all who may from time to time have to prepare painting specifications and to all under whose direction paint may be used.

Our grateful thanks are due to those who have so kindly helped and shown interest in its production. Their advice and constructive criticism are greatly appreciated.

INDESTRUCTIBLE
PAINT COMPANY
LIMITED

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